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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/589,788	05/25/2007	David T.W. Wong	02307K-159700US	2289
20350 7550 0772202099 TOWNSEND AND TOWNSEND AND CREW, LLP TWO EMBARCADERO CENTER			EXAMINER	
			LIU, SUE XU	
EIGHTH FLO SAN FRANCI	OR SCO, CA 94111-3834		ART UNIT	PAPER NUMBER
			MAIL DATE	DELIVERY MODE
			07/22/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/589,788 WONG ET AL. Office Action Summary Examiner Art Unit SUE LIU 1639 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) _____ is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-27 are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/S5/08)
 Paper No(s)/Mail Date ______.

Attachment(s)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Claim Status

Claims 1-27 are currently pending.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- Group 1, claim(s) 1-3, drawn to a method of detect an extracellular mRNA in a bodily fluid.
- Group 2, claim(s) 4-7, drawn to a method of perform transcriptome analysis of a bodily fluid.
- Group 3, claim(s) 8, drawn to a method of detecting trasncripome pattern in an organ.
- Group 4, claim(s) 9, drawn to a method of detecting mRNA profile in an organ.
- Group 5, claim(s) 10-13, drawn to a method of diagnosing an oral or systemic pathology in a subject using RNA profiling.
- Group 6, claim(s) 14-16, drawn to a method of diagnosing an oral or systemic pathology in a subject using transcriptome pattern.
- Group 7, claim(s) 17-20, drawn to a method of diagnosing a cancer in a subject using biomarker profile.
- Group 8, claim(s) 21-23, drawn to a kit for the diagnosis of an oral and/or systemic pathology.

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Group 9, claim(s) 24-27, drawn to a method of diagnosing an oral or systemic pathology.

2. The inventions listed as Groups 1-9 do not relate to a single general inventive concept

under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special

technical features for the following reasons:

Each group of invention has a different technical feature. For examples, the technical

feature for the Group 1 invention is detecting extracellular mRNA; the technical feature of Group

2 is detecting a transcriptome pattern; etc. Therefore, Groups 1-9 are not so linked by the same

or a corresponding special technical feature as to form a single inventive concept. In addition,

the special technical feature of Group 1 is known in the prior art. Kopreski et al., (U.S. Patent

No. 6,607,898; 8/19/2003; cited in IDS) teaches a method of detecting an extracellular mRNA in

a bodily fluid, the bodily fluid including a cell phase and a fluid phase (see abstract), the method

comprising: providing a cell-free fluid phase portion of the bodily fluid (column 2, lines 30-38);

and detecting the extracellular mRNA in the cell-free fluid phase portion of the bodily fluid

(column 2, lines 30-38 and 58-60), wherein the bodily fluid is saliva (column 2, line 33).

Therefore, the inventions lack unity as demonstrated by showing the common technical

feature(s) does not "define a contribution over the prior art" "a posterior". See MPEP 1850.

Species Election

3. This application contains claims directed to more than one species of the generic

invention. These species are deemed to lack unity of invention because they are not so linked as

to form a single general inventive concept under PCT Rule 13.1.

Applicants are requested to further elect a single ultimate species for each of the following:

- a. A single specific technique for detecting a transcriptome patter. (For Group 2; see claims 5-7).
- A single specific selection of a specific disease. (For Groups 5, 6, 8 and 9; see claims 11-13, etc.).
- c. A single specific "biomarker". (For Group 7; see claims 18 and 19).

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

4. The claims are deemed to correspond to the species listed above in the following manner:
Please see the above species selection for correspondence between the claims and the species selection

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The following claim(s) are generic: 1-27.

5. The species listed above do not relate to a single general inventive concept under PCT

Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special

technical features for the following reasons:

The species lack the same technical feature, because they do not share a common core

structure and/or function. The different species would also differ in their reactivity and the

starting materials from which they are made. For examples, the different species of "biomarkers"

can be various compounds such as different DNA or Protein nucleic acids, which species do not

share the same core structure and do not have the same function. Similarly, the different species

of "diseases" are also structurally and/or functionally different from each other. For different

species of method, the method steps for each species would differ. Consequently, the species

have different issues regarding patentability. Thus the unity of invention between each species

subgroup is lacking.

Applicant is advised that the reply to this requirement to be complete must include (i) an

election of a species or invention to be examined even though the requirement be traversed (37

CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve

a right to petition, the election must be made with traverse. If the reply does not distinctly and

specifically point out supposed errors in the restriction requirement, the election shall be treated

as an election without traverse

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Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

2. The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and a product claim is subsequently found allowable, withdrawn process claims that depend from or otherwise include all the limitations of the allowable product claim will be rejoined in accordance with the provisions of MPEP § 821.04. Process claims that depend from or otherwise include all the limitations of the patentable product will be entered as a matter of right if the amendment is presented prior to final rejection or allowance, whichever is earlier. Amendments submitted after final rejection are governed by 37 CFR 1.116; amendments submitted after allowance are governed by 37 CFR 1.312.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103, and 112. Until an elected product claim is found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowed product claim will not be rejoined. See "Guidance on Treatment of Product and Process Claims in light of In re Ochiai, In re Brouwer and 35 U.S.C. § 103(b)," 1184 O.G. 86 (March 26, 1996). Additionally, in order to retain the right to rejoinder in accordance with the above policy, Applicant is advised that the process claims should be amended during prosecution either to maintain dependency on the product claims or to otherwise include the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double

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patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is

withdrawn by the examiner before the patent issues. See MPEP § 804.01.

3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the

inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the

currently named inventors is no longer an inventor of at least one claim remaining in the

application. Any amendment of inventorship must be accompanied by a request under 37 CFR

1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Sue Liu whose telephone number is 571-272-5539. The

examiner can normally be reached on M-F 9am-3pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Christopher Low can be reached at 571-272-0951. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Sue Liu/

Primary Examiner, AU 1639

7/17/09

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